

HW 2/22

* = did not restate problem statement, -0.5

13.1

- 13) - did not cite equation of a sphere -0.75
- did not cite distance formula (if used) -0.25
- sign error -0.25
- incomplete (varied)
- 20) - did not cite equation of a sphere -0.75
- did not cite distance formula (if used) -0.25
- error in distance formula -0.5
- 36) - no work or explanation -2
- did not say that $z \geq 0$ -1
- did not cite equation of a sphere -1
~~did not use~~ used an equals sign instead of less than or equal to in $x^2 + y^2 + z^2 \leq 4$ -1
- Used $>$ and $<$ instead of \geq and \leq -0.5

13.2

- 6) - not enough work shown -2
- 1 or 2 incorrect -1
- incomplete (varied)
- did not label vectors -2
- 14) - did not illustrate -1
- no work shown -2
- sign error -0.25
- 21) - no work shown -2
- no explanation -1
- did not cite unit vector definition / eq. 4 from 13.2 -1
- did not find a unit vector -3
- incomplete (varied)

22) - no work shown -2

- no explanation -1

- did not cite definition of a unit vector / eq. 4 from 13.2 -1

24) - no work shown -2

- no explanation -1

13.3

1) - only explained why if meaningful or meaningless -1

- one or two incorrect -1

General comments:

- Make sure to use the updated version of the homework rubric, this includes:

- restating problem statements

- citing all equations/formulas/theorems/definitions you use

- always show work & explain each step

- review definition of a unit vector

- review drawing the subtraction of two vectors